Fig. 1A

VO 1 2 3 4 5 ···(KEPAPTT)₇₆··· 7 8 9 10-12

V1 1 2 3 4 ···(KEPAPTT)₇₆··· 7 8 9 10 – 12

V2 1 2 3 ---(KEPAPTT)₇₆--- 7 8 9 10 - 12

V3 1 3 ---(KEPAPTT)₇₆--- 7 8 9 10 - 12

2 3 Somatomedi

Somatomedin B-like Domain

4 5

Heparin Sulfate Binding Domain

···(KEPAPTT)₇₆···

Exon 6 Boundary Lubrication Domain

8 9

Hemopexin-like Repeats

v3 [Fg.IB

	Articular Chondrocytes			Synovial Fibroblasts			
Lubricin/MSF Isoform	Exon 2	Exon 4	Exon 5	Exon 2	Exon 4	Exon 5	Predicted Molecular Weight
V0	+	+	+	+	+	+	151.096 kDa
V1	+	+	-	+	+		146.327 kDa
V2	+	-	-	+	-	-	140.894 kDa
V3	-	-	-	-	_	-	135.207 kDa

502

630 ATA ACA GAA [GAA ··· AAA] GTA AAA GAT AAC

exon 4 T¹⁵⁵ E¹⁵⁶

352 630

TGT GCA GAA [GTG "AAA] GTA AAA GAT AAC

 $\frac{\text{exon 3}}{\text{C}^{104} \text{ A}^{105} \text{ E}^{106}}$

109 231 352 630 TCA TCT CAA [GAT ···· GCG] GAG ···· GAA [GTG ···· AAA] GTA AAA GAT AAC V3

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